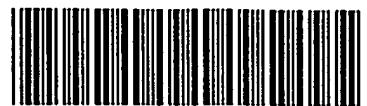


## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/696,909A  
Source: 1FW0  
Date Processed by STIC: 3/1/05

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IFWO

RAW SEQUENCE LISTING DATE: 03/01/2005  
 PATENT APPLICATION: US/10/696,909A TIME: 08:06:04

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3 <110> APPLICANT: Lorens, James B.  
 4 Atchison, Robert E.  
 5 Friera, Anabella  
 6 Holland, Sacha  
 7 Rigel Pharmaceuticals, Inc.  
 9 <120> TITLE OF INVENTION: Modulators of Angiogenesis and Tumorigenesis  
 11 <130> FILE REFERENCE: 021044-005820US  
 13 <140> CURRENT APPLICATION NUMBER: US 10/696,909A  
 14 <141> CURRENT FILING DATE: 2003-10-29  
 16 <150> PRIOR APPLICATION NUMBER: US 60/512,251  
 17 <151> PRIOR FILING DATE: 2003-10-17  
 19 <150> PRIOR APPLICATION NUMBER: US 60/421,989  
 20 <151> PRIOR FILING DATE: 2002-10-29  
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 61 variant 1 cDNA  
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RAW SEQUENCE LISTING  
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 164 20 25 30  
 166 Glu Glu Ser Pro Phe Val Gly Asn Pro Gly Asn Ile Thr Gly Ala Arg  
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## RAW SEQUENCE LISTING

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DATE: 03/01/2005

TIME: 08:06:04

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 175 Ser Thr Gln Thr Gln Val Pro Leu Gly Glu Asp Glu Gln Asp Asp Trp  
 176 85 90 95  
 178 Ile Val Val Ser Gln Leu Arg Ile Thr Ser Leu Gln Leu Ser Asp Thr  
 179 100 105 110  
 181 Gly Gln Tyr Gln Cys Leu Val Phe Leu Gly His Gln Thr Phe Val Ser  
 182 115 120 125  
 184 Gln Pro Gly Tyr Val Gly Leu Glu Gly Leu Pro Tyr Phe Leu Glu Glu  
 185 130 135 140  
 187 Pro Glu Asp Arg Thr Val Ala Ala Asn Thr Pro Phe Asn Leu Ser Cys  
 188 145 150 155 160  
 190 Gln Ala Gln Gly Pro Pro Glu Pro Val Asp Leu Leu Trp Leu Gln Asp  
 191 165 170 175  
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 196 His Val Pro Gly Leu Asn Lys Thr Ser Ser Phe Ser Cys Glu Ala His  
 197 195 200 205  
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 203 225 230 235 240  
 205 Leu Glu Val Ala Trp Thr Pro Gly Leu Ser Gly Ile Tyr Pro Leu Thr  
 206 245 250 255  
 208 His Cys Thr Leu Gln Ala Val Leu Ser Asp Asp Gly Met Gly Ile Gln  
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 211 Ala Gly Glu Pro Asp Pro Pro Glu Glu Pro Leu Thr Ser Gln Ala Ser  
 212 275 280 285  
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 217 Tyr His Ile Arg Val Ala Cys Thr Ser Ser Gln Gly Pro Ser Ser Trp  
 218 305 310 315 320  
 220 Thr His Trp Leu Pro Val Glu Thr Pro Glu Gly Val Pro Leu Gly Pro  
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 233 385 390 395 400  
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 241 Pro Val His Gln Leu Val Lys Glu Pro Ser Thr Pro Ala Phe Ser Trp

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250	Tyr Gly Glu Val Phe Glu Pro Thr Val Glu Arg Gly Glu Leu Val Val		480
251	485	490	495
253	Arg Tyr Arg Val Arg Lys Ser Tyr Ser Arg Arg Thr Thr Glu Ala Thr		
254	500	505	510
256	Leu Asn Ser Leu Gly Ile Ser Glu Glu Leu Lys Glu Lys Leu Arg Asp		
257	515	520	525
259	Val Met Val Asp Arg His Lys Val Ala Leu Gly Lys Thr Leu Gly Glu		
260	530	535	540
262	Gly Glu Phe Gly Ala Val Met Glu Gly Gln Leu Asn Gln Asp Asp Ser		
263	545	550	555
265	Ile Leu Lys Val Ala Val Lys Thr Met Lys Ile Ala Ile Cys Thr Arg		
266	565	570	575
268	Ser Glu Leu Glu Asp Phe Leu Ser Glu Ala Val Cys Met Lys Glu Phe		
269	580	585	590
271	Asp His Pro Asn Val Met Arg Leu Ile Gly Val Cys Phe Gln Gly Ser		
272	595	600	605
274	Glu Arg Glu Ser Phe Pro Ala Pro Val Val Ile Leu Pro Phe Met Lys		
275	610	615	620
277	His Gly Asp Leu His Ser Phe Leu Leu Tyr Ser Arg Leu Gly Asp Gln		
278	625	630	635
280	Pro Val Tyr Leu Pro Thr Gln Met Leu Val Lys Phe Met Ala Asp Ile		
281	645	650	655
283	Ala Ser Gly Met Glu Tyr Leu Ser Thr Lys Arg Phe Ile His Arg Asp		
284	660	665	670
286	Leu Ala Ala Arg Asn Cys Met Leu Asn Glu Asn Met Ser Val Cys Val		
287	675	680	685
289	Ala Asp Phe Gly Leu Ser Lys Lys Ile Tyr Asn Gly Asp Tyr Tyr Arg		
290	690	695	700
292	Gln Gly Arg Ile Ala Lys Met Pro Val Lys Trp Ile Ala Ile Glu Ser		
293	705	710	715
295	Leu Ala Asp Arg Val Tyr Thr Ser Lys Ser Asp Val Trp Ser Phe Gly		
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301	Val Glu Asn Ser Glu Ile Tyr Asp Tyr Leu Arg Gln Gly Asn Arg Leu		
302	755	760	765
304	Lys Gln Pro Ala Asp Cys Leu Asp Gly Leu Tyr Ala Leu Met Ser Arg		
305	770	775	780
307	Cys Trp Glu Leu Asn Pro Gln Asp Arg Pro Ser Phe Thr Glu Leu Arg		
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310	Glu Asp Leu Glu Asn Thr Leu Lys Ala Leu Pro Pro Ala Gln Glu Pro		
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/01/2005  
PATENT APPLICATION: US/10/696,909A TIME: 08:06:05

Input Set : A:\-58-2.app  
Output Set: N:\CRF4\03012005\J696909A.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:22; N Pos. 528,561  
Seq#:42; N Pos. 353,445

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/696,909A

DATE: 03/01/2005

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Input Set : A:\-58-2.app

Output Set: N:\CRF4\03012005\J696909A.raw

L:1797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:480

M:341 Repeated in SeqNo=22

L:3454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:300

M:341 Repeated in SeqNo=42